

Certificate of Analysis



Sample Name: Soma 300
Client: Soma Kratom
Sample Code: DTS-251215-045
Matrix Name: Emulsion - Liquid
Type / Result: Quality Assurance - Pass



Received Date: Thu, Dec 18, 2025
Published Date: Tue, Dec 23, 2025
Batch/Lot Code: A12253-3
Batch Size: N/A
Sample Size: 1U
Average Unit Weight: 16.1355g (Density (g/mL) x 15.5mL package. 6 servings/package)

RESULT SUMMARY

Mitragynine	50.30 mg /serv
Total Major Alkaloids	62.11 mg /serv

ALKU
Kratom Alkaloids
High Level

ALKL
Kratom Alkaloids
Low Level

SS
Salmonella & STEC
qPCR

DEN
Density of Liquids

HVMET
Heavy Metals
Big 4

Approvals

RESULTS REVIEWED BY:

Leslie Varela
Laboratory Director

Cambium Analytica
Tuesday, Dec 23, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations

Cambium Analytica
Tuesday, Dec 23, 2025

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Lab Information

Address: 1230 Woodmere Ave, Traverse City, MI 49686 **Phone:** 231.252.3669 **Accreditation:** ISO/IEC 17025:2017 – #108157



ALKU

Kratom Alkaloids - High LevelLAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD
ALKU-DTS-251215-045-03 - TUE, DEC 23, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	1.8706 %	18.7059 mg/g	50.30 mg	301.83 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.2386 %	2.3858 mg/g	6.42 mg	38.50 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.1245 %	1.2453 mg/g	3.35 mg	20.09 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.0760 %	0.7597 mg/g	2.04 mg	12.26 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids*	2.3097 %	23.0967 mg/g	62.11 mg	372.68 mg	N/A	N/A	N/A	N/A

*Total Major Alkaloids is calculated as the sum of Mitragynine, Paynantheine, Speciociliatine and Speciogynine.

ALKL

Kratom Alkaloids - Low LevelLAB-TM-047 - Determination of Kratom Alkaloid Content by LC-TQ
ALKL-DTS-251215-045-01 - MON, DEC 22, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00552 %	0.05524 mg/g	0.15 mg	0.89 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00012 %	0.00125 mg/g	0.00 mg	0.02 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids*	0.00565 %	0.05649 mg/g	0.15 mg	0.91 mg	N/A	N/A	N/A	N/A

*Total Minor Alkaloids is calculated as the sum of 7-Hydroxymitragynine and Mitraphylline.

SS

Salmonella & STEC - qPCRLAB-TM-006 - Microbial Analysis by qPCR
SS-DTS-251215-045-01 - MON, DEC 22, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
Salmonella spp.	ND	N/A	N/A	N/A	N/A
Shiga Toxin Producing E. coli	ND	N/A	N/A	N/A	N/A

DEN

Density of LiquidsLAB-TM-017 - Brix & Density Analysis
DEN-DTS-251215-045-01 - FRI, DEC 19, 2025

Analyte	Value	Action Limit	LOD	LOQ	Status
Density	1.0410 g/mL	N/A	N/A	N/A	N/A
Specific Gravity*	1.0429	N/A	N/A	N/A	N/A

*Specific gravity is calculated using the density of water at 20 °C (0.9982 g/mL) using the equation:
[Specific Gravity = (Density of sample in g/mL) ÷ 0.9982 g/mL]

HVMET

Heavy Metals - Big 4

LAB-TM-044 - Determination of Heavy Metals by ICP-MS
HVMET-DTS-251215-045-01 - MON, DEC 22, 2025

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Arsenic	ND	N/A	N/A	N/A	N/A	0.509 ug/kg	2.062 ug/kg	N/A
Cadmium	ND	N/A	N/A	N/A	N/A	0.256 ug/kg	0.509 ug/kg	N/A
Lead	0.001 ug/g	0.000 mg/g	0.00 ug	0.02 ug	N/A	0.255 ug/kg	0.515 ug/kg	N/A
Mercury	0.002 ug/g	0.000 mg/g	0.00 ug	0.03 ug	N/A	0.025 ug/kg	0.057 ug/kg	N/A

